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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/065,545	10/29/2002	Rajendra K. Singh	GEPL.P-053	7676	
· -	90 01/21/2004		EXAMINER		
OPPEDAHL AND LARSON LLP P O BOX 5068			SANDERS, KRIELLION ANTIONETTE		
			ART UNIT	PAPER NUMBER	
			1714		
			DATE MAILED: 01/21/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No	. App	licant(s)				
	10/065,545	SING	GH ET AL.	0			
Office Action Summary	Examiner	Art	Unit				
	Kriellion A. San						
The MAILING DATE of this commu Period for Reply	nication appears on the cov	r sheet with the corres	pondence addre	SS			
A SHORTENED STATUTORY PERIOD THE MAILING DATE OF THIS COMMUNTY - Extensions of time may be available under the provision after SIX (6) MONTHS from the mailing date of this conty. - If the period for reply specified above is less than thirty. - If NO period for reply is specified above, the maximum. - Failure to reply within the set or extended period for reply. - Any reply received by the Office later than three months earned patent term adjustment. See 37 CFR 1.704(b). Status	NICATION. Is of 37 CFR 1.136(a). In no event, how munication. (30) days, a reply within the statutory mestatutory period will apply and will expir ly will, by statute, cause the application	vever, may a reply be timely filer inimum of thirty (30) days will be s SIX (6) MONTHS from the ma to become ABANDONED (35 t	d e considered timely. illing date of this commi J.S.C. § 133).	unication.			
1) Responsive to communication(s)	filed on						
2a)☐ This action is FINAL .	2b)⊠ This action is non-	final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims	ones and of the parts and you	,					
4)⊠ Claim(s) <u>1-75</u> is/are pending in the	application.						
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-75</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restrict Application Papers	iction and/or election requir	ement.					
9)☐ The specification is objected to by t	he Examiner						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the Examiner.							
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) ☐ All b) ☐ Some * c) ☐ None of							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priorit	2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copie application from the Inte * See the attached detailed Office act 	rnational Bureau (PCT Rule	17.2(a)).	this National Sta	age			
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).							
a) The translation of the foreign I	anguage provisional applica	tion has been received	d.				
Attachment(s)	dointoons priority andor	55 5.5.5. 33 120 and					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review 3) Information Disclosure Statement(s) (PTO-1449)	· ·	=					

Application/Control Number: 10/065,545

Art Unit: 1714

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-75 are rejected under 35 U.S.C. 103(a) as obvious over Nouvertne' US patent No. 3,775,367 in view of Mark et al. US patent No. 3,933,734.
- 3. Applicant's invention pertains to a method for making a flame retarded polycarbonate resin comprising adding a combination of a potassium salt of a perfluoroalkane sulfonate and a sodium salt of toluene sulfonic acid in prescribed amounts, to a high melt strength polycarbonate. Additional use of an antidrip agent is optional. The invention also relates to the resulting polycarbonate composition and the composition of the flame retardants alone.
- 4. Nouvertne' discloses the addition of metal salts of fluoroalkane sulphonantes such as the potassium perfluorobutane sulphonate in an amount of 0.01 to 1.0 percent by weight to "high melt strength" polycarbonate resin to render it flame retardant. Patentee provides for the addition of other conventional additives. See col 1, line 46 through col. 2 line 57.
- Mark et al discloses the addition of metal salts of aromatic sulfonic acids in an amount of 0.01 to 10.0 percent by weight to "high melt strength" polycarbonate resin to render it flame retardant. Patentee provides for the use of mixtures of the metal salts. See col 1, line 43 through col. 2 line 49.
- 6. Since Nouvertne' indicates that the salts of his invention may be combined with other conventional additives, and since Mark et al discloses that the salts of his invention may be used in combination. The ordinary practitioner would have found it plausible to utilize more than one

Application/Control Number: 10/065,545 Page 3

Art Unit: 1714

such salt in formulating a flame retardant composition., Therefor, it would have been obvious to one of ordinary skill in the art at the time of applicant's invention to employ a combination of metal salts of fluoroalkane sulphonantes as taught by Nouvertne' and the metal salts of aromatic sulfonic acids taught by Mark et al in the amounts set forth by patentees with the expectation of achieving an additive effect in flame retardancy. The two types of salts are shown to have equivalent functionalities.

7. Prior art cited on form PTO 892 provides technological background information.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kriellion A. Sanders whose telephone number is 703-308-2435. The examiner can normally be reached on Monday through Thursday 6:30-7:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on 703-306-2777. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9306 for regular and After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-2351.

Kriellion A. Sanders
Primary Examiner
Art Unit 1714

ks January 10, 2004